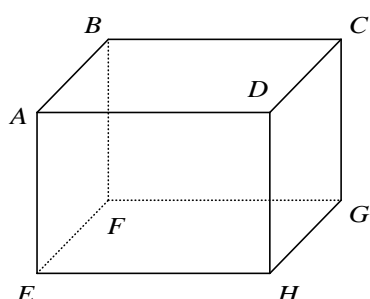


UNIT 3 REMEDIATION PACKET Period. _____ Date _____

You will need to show this completed and corrected packet to your teacher in order to retake the test. Please get help where you need it!

Tutor Signature: _____

Target A: Refer to the figure below for Questions 1-4



1. Name 3 planes intersecting plane EFG

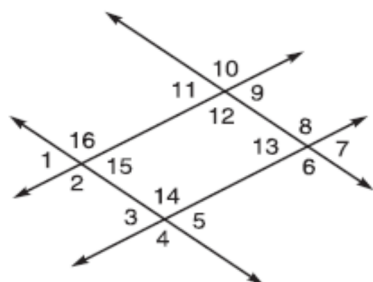
2. Name 3 segments parallel to

3. Name 3 segments skew to

4. Name 3 segments perpendicular to

Target B

Identify each pair of angles as either: *alternate interior*, *alternate exterior*, *corresponding*, or *consecutive interior angles*.



5. $\angle 11$ and $\angle 13$ _____

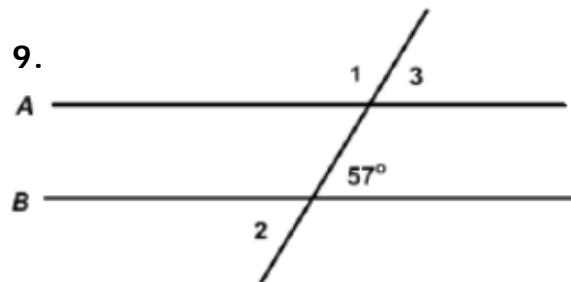
6. $\angle 15$ and $\angle 3$ _____

7. $\angle 9$ and $\angle 8$ _____

8. $\angle 16$ and $\angle 4$ _____

Targets C & D

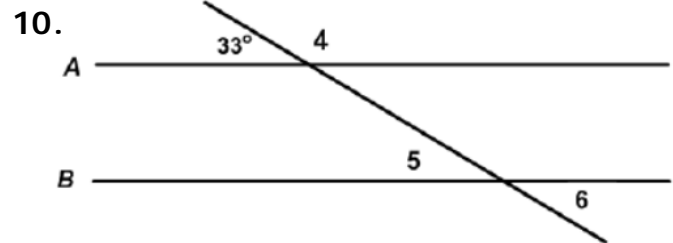
For 9 & 10, if lines A & B are parallel, find the measures of the numbered angles in the figures below.



$$m\angle 1 = \underline{\hspace{2cm}}$$

$$m\angle 2 = \underline{\hspace{2cm}}$$

$$m\angle 3 = \underline{\hspace{2cm}}$$



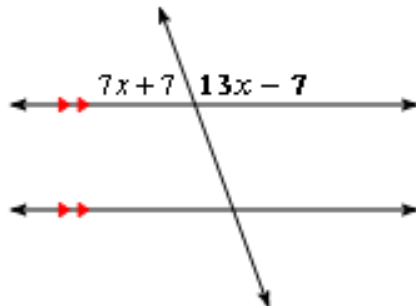
$$m\angle 4 = \underline{\hspace{2cm}}$$

$$m\angle 5 = \underline{\hspace{2cm}}$$

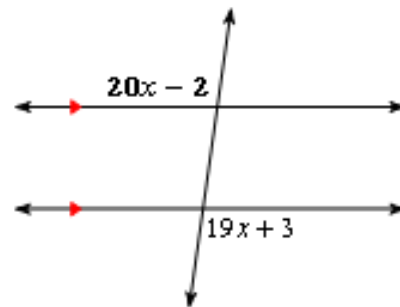
$$m\angle 6 = \underline{\hspace{2cm}}$$

For 11- 14 , find the measure of the **bolded** angle.

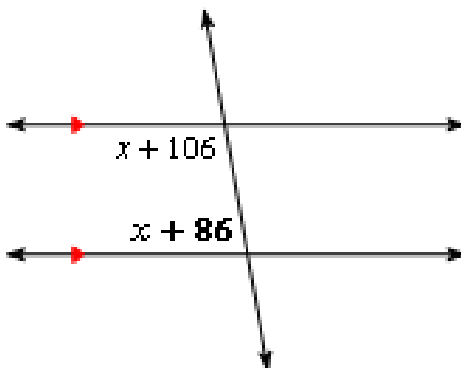
11.



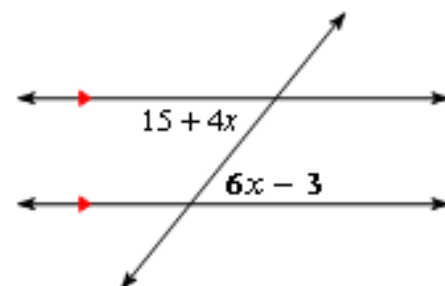
12.



13.

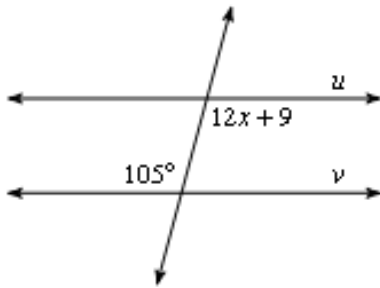


14.



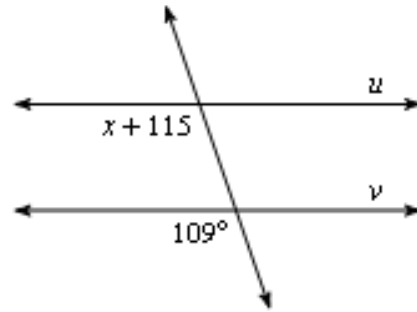
For 15-17, find the values of the variable which would make line u parallel to line v .

15.



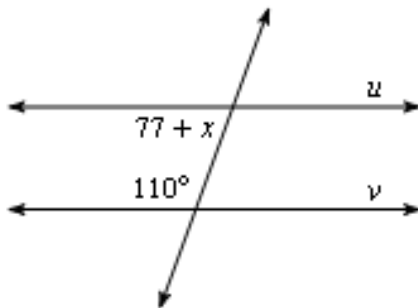
$x =$ _____

16.



$x =$ _____

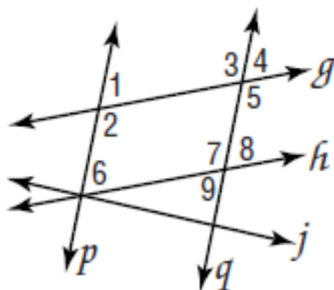
17.



$x =$ _____

Target E

18. For each given statement, determine which lines must be parallel.



$\angle 6 \cong \angle 8$ _____

$\angle 2 \cong \angle 7$ _____

$\angle 5 + \angle 8 = 180^\circ$ _____

$\angle 1 + \angle 3 = 180^\circ$ _____

Targets F, G, & H

19. Find the slope of a line passing through the points A (-10, 10) and B (-16, 2).
20. Find the slope of a line passing through the points C (7,5) and D (-2,-7).
21. Line m contains the points A (-5, -13) and B (-3, -4). Line n is perpendicular to line m , what is the slope of line n ?
22. If line q is parallel to line m (in problem 21), what is its slope?
23. Line a contains the points J (7, -18) and K (-3, -10). Line b is perpendicular to line a , what is the slope of line b ?
24. If line c is parallel to line a (in problem 23), what is its slope?